ABSTRACT

A method for building a tire on a toroidal core, to include carcass plies with a high tensile resistance and bead portions with an improved rigidity, wherein the carcass plies (4, 10) are formed by continuously applying carcass cords (3, 9) onto an outer surface of the core over entire periphery thereof. An inner carcass ply (4) is formed by feeding the carcass cord (3) in a meridian direction of the core (1), and folding back the carcass cord (3) at each side portion of the core. Each radially inner peripheral portion (7) of the inner carcass ply (9) is turned-up radially outwards about a bead core (6). A skim rubber (8) is subsequently applying onto an outer surface of the inner carcass ply (9), which has been formed with the turned-up portions (7a). An outer carcass ply (10) is formed by feeding a carcass cord (4) in the meridian direction of the core (1) and folding back the carcass cord (4) at each side portion of the core (1), and applied onto an outer surface of the skim rubber (8).